

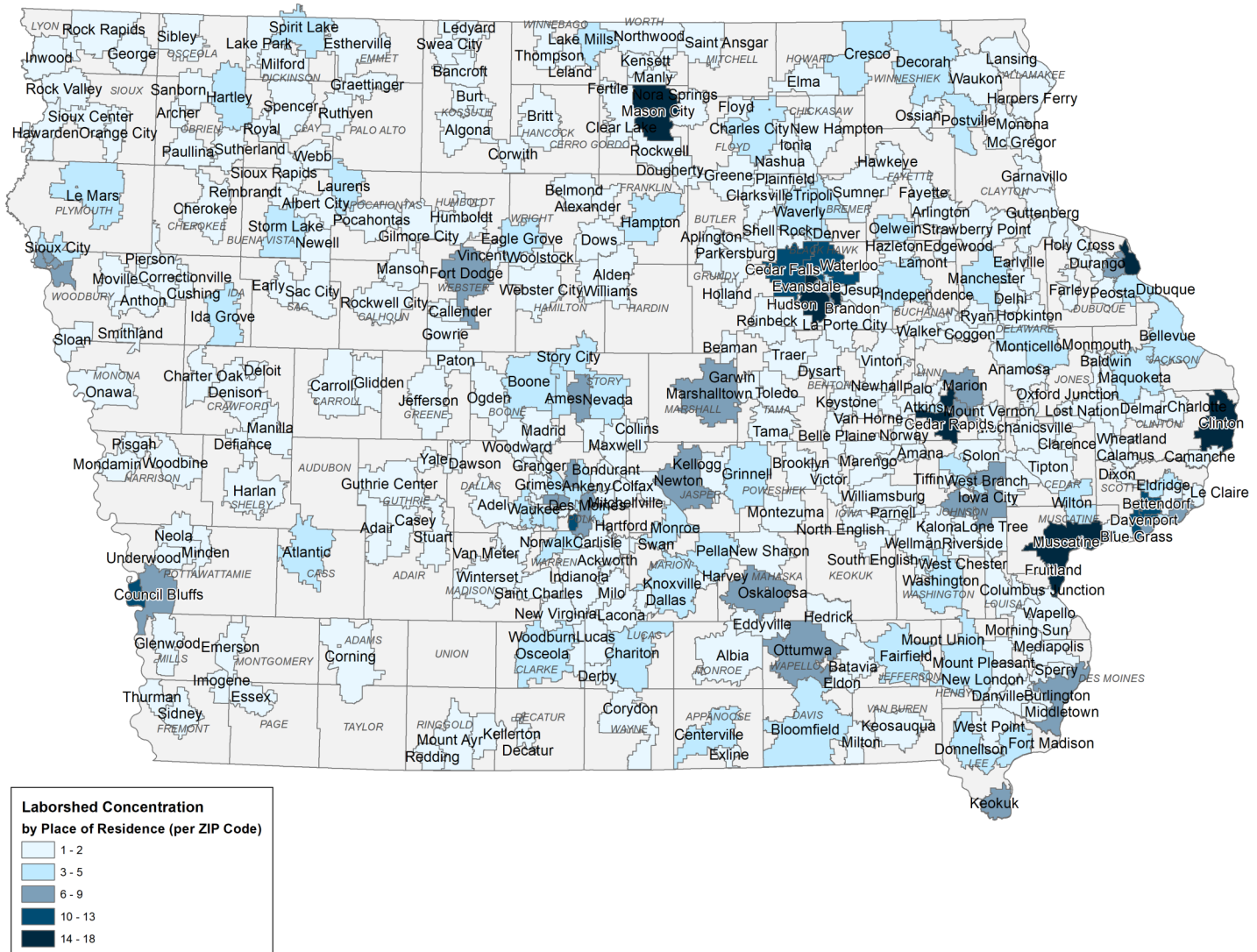
# LABOR CHARACTERISTICS

## ADVANCED MANUFACTURING



### STATE OF IOWA LABORSHED AREA

CONCENTRATION OF RESPONDENTS WITHIN THE LABORSHED AREA  
WITH TRANSFERABLE EXPERIENCE/SKILLS BY PLACE OF RESIDENCE



Workers who have transferable experience/skills in the industry are currently commuting an average of 14 miles one way for work. Those who are likely to change/accept employment are willing to commute an average of 26 miles one way for the right employment opportunity.

FOR MORE INFORMATION REGARDING THE STATE OF IOWA, IA LABORSHED, CONTACT:

# LABOR CHARACTERISTICS

## ADVANCED MANUFACTURING

### ESTIMATED LABOR PER OCCUPATIONAL CATEGORY:

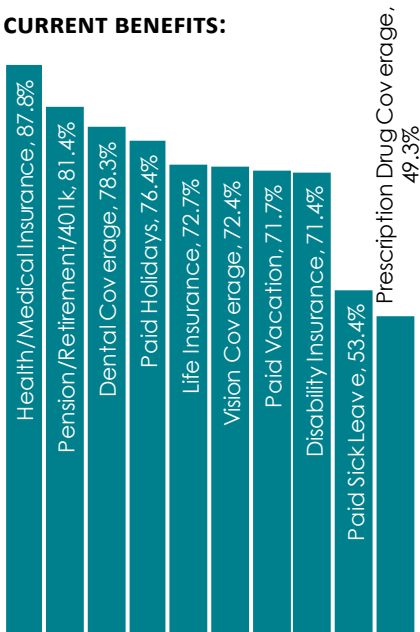
- Adhesive Bonding Machine Operators & Tenders - 0.11%
- Architectural & Engineering Managers - 0.65%
- Assemblers & Fabricators - 2.59%
- Avionics Technicians - 0.11%
- Bus & Truck Mechanics & Diesel Engine Specialists - 0.54%
- Chemical Equipment Operators & Tenders - 0.22%
- Computer Hardware Engineers - 0.75%
- CNC Machine Programmers - 0.22%
- Computer-Controlled Machine Tool Operators - 0.43%
- Crane & Tower Operators - 0.43%
- Cutting, Punching, & Press Machine Operators - 0.65%
- Electrical & Electronic Engineering Technicians - 0.54%
- Electrical Engineers - 0.43%
- Electricians - 4.31%
- Engine & Other Machine Assemblers - 0.22%
- Engineering Technicians - 1.62%
- Engineers, All Other - 6.79%
- Furnace, Kiln, Oven, Drier, & Kettle Operators & Tenders - 0.22%
- Grinding & Polishing Workers, Hand - 0.11%
- Heavy & Tractor-Trailer Truck Drivers - 14.55%
- Industrial Engineering Technicians - 0.22%
- Industrial Engineers - 0.43%
- Industrial Machinery Mechanics - 0.32%
- Industrial Production Managers - 1.51%
- Industrial Truck & Tractor Operators - 1.29%
- Inspectors & Testers - 2.26%
- Installation, Maintenance, & Repair Workers - 8.73%
- Laborers & Freight, Stock, & Material Movers, Hand - 3.45%
- Light Truck or Delivery Services Drivers - 2.26%
- Machinists - 1.19%
- Mechanical Engineers - 1.4%
- Milling & Planing Machine Operators - 0.22%
- Millwrights - 0.54%
- Mixing & Blending Machine Operators - 0.11%
- Molders, Shapers, & Casters, Except Metal & Plastic - 0.11%
- Molding, Coremaking, & Casting Machine Operators - 0.32%
- Multiple Machine Tool Operators - 5.71%
- Packers & Packagers, Hand - 2.26%
- Plant & System Operators - 0.11%
- Plating & Coating Machine Operators - 0.11%
- Production Workers, All Other - 16.86%
- Separating, Filtering, & Still Machine Operators - 0.22%
- Structural Metal Fabricators & Fitters - 0.32%
- Supervisors of Helpers, Laborers, & Material Movers, Hand - 0.22%
- Supervisors of Mechanics, Installers, & Repairers - 2.8%
- Supervisors of Production & Operating Workers - 5.5%
- Supervisors of Transportation & Material-Moving Machine & Vehicle Operators - 1.72%
- Tank Car & Truck Loaders - 0.22%
- Tool & Die Makers - 0.54%
- Water & Wastewater Treatment Plant & System Operators - 0.86%
- Welders, Cutters, Solderers, & Brazers - 2.59%
- Welding, Soldering, & Brazing Machine Operators - 0.11%

### UNDEREMPLOYMENT (ESTIMATED):

- Low hours - 0.4%
- Mismatch of skills - 4.7%
- Low income - 1.0%
- Total - 5.6%

(Individuals counted only once when estimating Total Underemployment.)

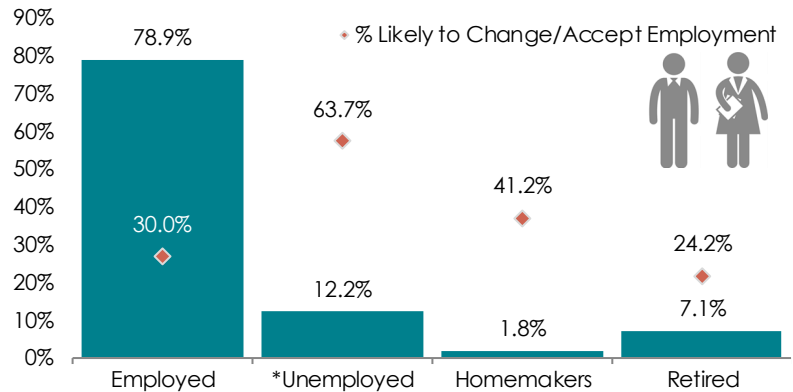
### CURRENT BENEFITS:



### DESIRED BENEFITS:



### ESTIMATED TOTAL BY EMPLOYMENT STATUS (PERCENTAGE):



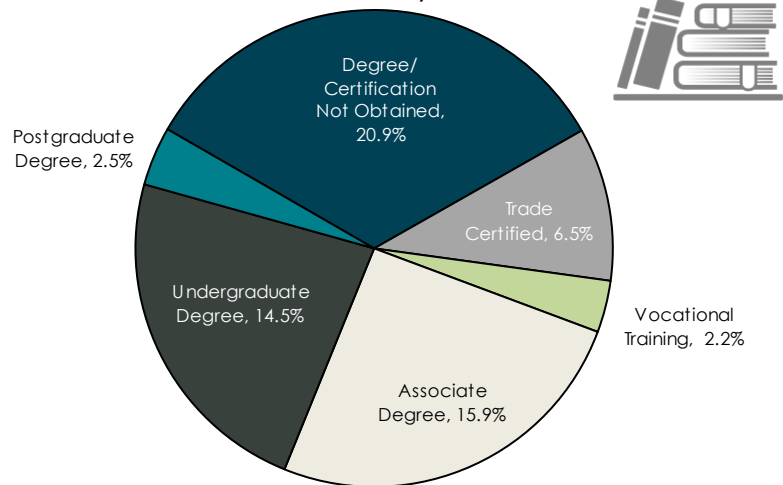
\*Employment status is self-identified by the survey respondent. The unemployment percentage does not reflect the unemployment rate published by the U.S. Bureau of Labor Statistics, which applies a stricter definition.

### EMPLOYMENT STATS:

- 74.2% paid an hourly wage
- 94.4% are/were employed full-time
- 5.6% are/were employed part-time
- 5.5% are/were self-employed
- 14.6% hold two or more jobs
- Currently working an average of 47 hours/week

### EDUCATIONAL LEVEL:

(62.5% HAVE AN EDUCATION BEYOND HIGH SCHOOL)



### TOP JOB SEARCH RESOURCES:

(For those seeking employment opportunities, by use.)

- Internet - 61.3%
  - [www.indeed.com](http://www.indeed.com)
  - [www.monster.com](http://www.monster.com)
  - [www.linkedin.com](http://www.linkedin.com)
- Networking through friends, family or acquaintances - 25.4%
- IowaWORKS Centers - 20.8%
- Newspapers - 16.9%

### WORKPLACE FLEXIBILITY:

(by percent of interest)

- Cross-training - 67.9%
- Job teams - 66.7%
- Varied shifts - 42.5%
- Job sharing - 42.1%
- Seasonal work - 42.0%
- Temporary work - 36.1%

# LABOR CHARACTERISTICS

## ADVANCED MANUFACTURING

OCCUPATION	OCCUPATIONAL CODE	MEAN WAGE	ENTRY WAGE	EXPERIENCED WAGE	MEDIAN WAGE	MEAN ANNUAL SALARY
Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	51-9192	\$15.01	\$10.98	\$17.02	\$13.62	\$28,319
Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic	51-4012	\$22.15	\$15.29	\$25.58	\$21.71	\$45,159
Computer-Controlled Machine Tool Operators, Metal and Plastic	51-4011	\$19.59	\$14.86	\$21.95	\$19.22	\$39,978
Conveyor Operators and Tenders	53-7011	\$16.70	\$13.33	\$18.38	\$16.36	\$34,020
Crane and Tower Operators	53-7021	\$26.87	\$18.56	\$31.03	\$26.42	\$54,962
Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	51-9021	\$18.07	\$14.16	\$20.03	\$18.25	\$37,968
Cutting and Slicing Machine Setters, Operators, and Tenders	51-9032	\$20.11	\$15.33	\$22.51	\$20.66	\$42,965
Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	51-4031	\$17.34	\$13.16	\$19.42	\$17.21	\$35,803
Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	51-4032	\$21.53	\$14.43	\$25.09	\$18.91	\$39,343
Electricians	47-2111	\$25.65	\$16.62	\$30.17	\$25.97	\$54,008
Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	51-4021	\$22.03	\$14.68	\$25.71	\$22.55	\$46,909
Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	51-9041	\$19.22	\$14.31	\$21.68	\$18.76	\$39,018
First-Line Supervisors of Mechanics, Installers, and Repairers	49-1011	\$31.56	\$20.66	\$37.01	\$31.00	\$64,480
First-Line Supervisors of Production and Operating Workers	51-1011	\$28.21	\$18.84	\$32.90	\$26.50	\$55,126
Foundry Mold and Coremakers	51-4071	\$19.51	\$14.98	\$21.77	\$19.71	\$41,000
Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	51-9051	\$19.98	\$15.32	\$22.31	\$20.63	\$42,915
Grinding and Polishing Workers, Hand	51-9022	\$15.14	\$10.55	\$17.44	\$14.33	\$29,810
Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	51-4033	\$17.19	\$14.01	\$18.77	\$16.88	\$35,104
Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	51-4191	\$18.75	\$14.91	\$20.66	\$19.05	\$39,621
Heavy and Tractor-Trailer Truck Drivers	53-3032	\$21.07	\$14.51	\$24.35	\$19.84	\$41,270
Helpers--Production Workers	51-9198	\$14.50	\$10.99	\$16.26	\$14.09	\$29,303
Industrial Machinery Mechanics	49-9041	\$24.30	\$17.92	\$27.49	\$24.02	\$49,968
Industrial Truck and Tractor Operators	53-7051	\$18.24	\$14.62	\$20.05	\$17.98	\$37,403
Inspectors, Testers, Sorters, Samplers, and Weighers	51-9061	\$20.43	\$14.04	\$23.62	\$19.16	\$39,860
Installation, Maintenance, and Repair Workers, All Other	49-9099	\$20.59	\$13.50	\$24.14	\$21.14	\$43,974
Laborers and Freight, Stock, and Material Movers, Hand	53-7062	\$15.64	\$10.88	\$18.02	\$15.11	\$31,422
Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	51-4034	\$19.87	\$15.05	\$22.29	\$19.14	\$39,803
Layout Workers, Metal and Plastic	51-4192	\$23.39	\$17.18	\$26.50	\$23.14	\$48,124
Machinists	51-4041	\$19.27	\$14.75	\$21.53	\$18.78	\$39,064
Maintenance and Repair Workers, General	49-9071	\$19.96	\$13.13	\$23.38	\$19.43	\$40,407
Maintenance Workers, Machinery	49-9043	\$21.83	\$16.31	\$24.58	\$20.88	\$43,440
Material Moving Workers, All Other	53-7199	\$17.01	\$12.55	\$19.24	\$15.68	\$32,618
Metal Workers and Plastic Workers, All Other	51-4199	\$19.27	\$15.49	\$21.16	\$19.30	\$40,151
Metal-Refining Furnace Operators and Tenders	51-4051	\$20.84	\$16.43	\$23.04	\$20.77	\$43,192
Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	51-4035	\$19.00	\$14.04	\$21.48	\$19.18	\$39,892
Millwrights	49-9044	\$24.62	\$17.10	\$28.39	\$24.96	\$51,914
Mixing and Blending Machine Setters, Operators, and Tenders	51-9023	\$20.22	\$14.82	\$22.91	\$19.29	\$40,127
Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	51-4072	\$15.63	\$11.08	\$17.91	\$14.73	\$30,648
Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	51-4081	\$17.85	\$13.59	\$19.99	\$17.76	\$36,941
Packaging and Filling Machine Operators and Tenders	51-9111	\$15.93	\$11.82	\$17.98	\$14.38	\$29,907
Packers and Packagers, Hand	53-7064	\$14.01	\$11.19	\$15.43	\$13.94	\$28,987
Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	51-4193	\$17.06	\$13.65	\$18.76	\$16.95	\$35,258
Pourers and Casters, Metal	51-4052	\$19.17	\$14.77	\$21.38	\$18.61	\$38,713
Production Workers, All Other	51-9199	\$20.81	\$11.71	\$25.36	\$21.71	\$45,155
Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	51-9012	\$20.48	\$15.22	\$23.11	\$20.68	\$43,014
Structural Metal Fabricators and Fitters	51-2041	\$17.55	\$14.17	\$19.24	\$17.42	\$36,230
Tool and Die Makers	51-4111	\$23.89	\$19.38	\$26.14	\$23.98	\$49,876
Tool Grinders, Filers, and Sharpeners	51-4194	\$22.68	\$18.74	\$24.64	\$22.60	\$47,004
Water and Wastewater Treatment Plant and System Operators	51-8031	\$21.66	\$13.87	\$25.56	\$21.92	\$45,592
Welders, Cutters, Solderers, and Brazers	51-4121	\$18.87	\$15.26	\$20.67	\$18.54	\$38,571
Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	51-4122	\$19.46	\$16.17	\$21.11	\$19.40	\$40,360

The 2019 Iowa Wage data for the State of Iowa Laborshed area was produced by the Labor Force & Occupational Analysis Bureau to provide communities local information on wages by occupation. The source of the wage and employment data is based on the May 2018 OES estimates. Additional occupational wage and employment data can be found at [www.iowalmi.gov/laborshed](http://www.iowalmi.gov/laborshed).

Balance of data compiled by Iowa Workforce Development using Laborshed data released in 2019.